## **CONTENTS**

Sl. No.	Particulars	Page No.		
1.	List of Tables	ii		
2.	List of Figures	iii		
Section I	GENERAL INFORMATION	1-2		
Section II PROJECTS				
1.	Design and development of multipurpose harvesting bag for easy loading and unloading	3-15		
2.	Design and development of women friendly power operated groundnut stripper cum decorticator	16-20		
3.	Level of mechanization among rural farm women: assessment and intervention	21-27		
Section III OTHER INFORMATION				
1.	Workshop/meetings	28		
2.	Visits/ Demonstrations/ Technology Transferred	29-33		

## LIST OF TABLES

Table No.	Title	Page No.
1.	Budget Information	2
2.	Particulars of the ongoing projects	2
3.	Anthropometric parameters required for designing shoulder strap	5
4.	Dimensions of the harvest bag	6
5.	Postures adopted while harvesting	6
6.	Postures adopted while unloading (end posture - squatting)	7
7.	Postures adopted while unloading (end posture - bending)	7
8.	Postures adopted while unloading using harvest bag	8
9.	Segmental weights of the body	9
10.	Details of the Subjects	12
11.	Design of experiment for the comparative performance evaluation of harvest bag with existing method	12
12.	Comparison of the picking capacity with and without bag	13
13.	Comparison of ΔHR with and without bag	14
14.	Physical properties of Groundnut pods and kernel	17
15.	Questionnaires for review by experts	25-27

## LISTS OF FIGURES

Figure No.	Title	Page No.
1.	Harvest bag for drudgery reduction in harvesting, lifting and transferring of the fruits and vegetables	5
2.	Load arms of the head, trunk, hand and external load in start and end of unloading operation	9
3.	Load arms of the head, trunk, hand and harvest bag	10
4.	Experimental setup	11
5.	Performance evaluation of the harvest bag	13-14
6.	Performance evaluation of Ground nut decorticator cum stripper	18-19